

# Water and Wastewater Treatment Plant and System Operators (51-8031)

**Occupation description:** Operate or control an entire process or system of machines, often through the use of control boards, to transfer or treat water or wastewater.

## Employment and Job Openings

	Average employment			Average annual openings		
	2010 estimate	2020 projection	Percent change	Growth	Replacement	Total
Alaska	587	650	10.7	6	15	22
United States	110,700	123,600	11.7	1,290	2,860	4,150

### Job outlook

**Alaska:** Alaska's employment growth is moderate with high employment opportunities. [Read more.](#)

## 2013 Wages ?

	Mean Wage and 95% Confidence Interval			Wage by Percentile		
	Low	Mean	High	10th	Median	90th
United States	n/a	21.67	n/a	12.58	20.77	32.94
Alaska	25.70	27.54	29.38	15.95	25.65	42.44
Anchorage/Mat-Su Area (MSA)	34.84	37.41	39.98	23.63	39.93	45.39
Fairbanks North Star Borough (MSA)	30.16	32.73	35.30	17.21	34.88	44.70
Southeast Region	25.14	28.05	30.96	17.35	26.92	42.28
Balance of State	22.93	24.57	26.21	14.85	22.98	36.85

## Labor Force Indicators

### 2012 Worker Characteristics

Total workers	Nonresident workers	Percent nonresident	Percent age 45 plus	Percent age 50 plus
835	77	9.2	46.2	31.1

### 2012 Potential Supply

Qualified but working in another occupation	203
Currently employed in a lower paid occupation	101
UI claimants previously working in occupation	121

### 2012 ALEXsys Employment Data

Number of registrants	374
Number of job position postings	41

Ratio of registrants to job position postings
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## 2011 Alaska Licensing Information

Water and Wastewater Systems Operator: 3,298 licensed

## Typical Entry-level Education, Experience, and/or On-the-job Training

**Education:** High school diploma or equivalent

**Work experience:** None

**On-the-job training:** Long-term on-the-job training

## Training Resources

	Degree
<b>Alaska Job Corps</b>	
Wastewater Treatment	

	Degree
<b>NTL Alaska, Inc.</b>	
Alaskan Water Treatment Systems - Intermediate (Anchorage)	
Introduction to Alaska Small Wastewater Systems (Anchorage)	
Introduction to Alaska Small Wastewater Systems (Fairbanks)	

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Department of Labor and Workforce Development, Research and Analysis Section  
P.O. Box 115501  
Juneau, Alaska 99811-5501  
Phone: 907.465.4500, Fax: 907.523.9654  
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